



Mr. James Saric, Remedial Project Manager
USEPA Region 5
77 West Jackson Boulevard (SR-6J)
Chicago, IL 60604-3507

ARCADIS
10559 Citation Drive
Suite 100
Brighton
Michigan 48116
Tel 810 229 8594
Fax 810 229 8837
www.arcadis-us.com

Subject

Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies Monthly Progress Report
Area 1 – Morrow Dam to Plainwell Dam (January 2008)

INDUSTRIAL

Dear Jim:

Attached is the eleventh monthly progress report for the Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site Supplemental Remedial Investigation/Feasibility Study (SRI/FS) – Area 1. This progress report is submitted as per Paragraph 37 of the February 2007 Administrative Settlement Agreement and Order on Consent (AOC) for Remedial Investigations/Feasibility Studies (Docket No V-W-07-C-864), as well as Section 7.1 of the associated Statement of Work (SOW). If you have any questions, please do not hesitate to contact me.

Date
February 15, 2008

Sincerely,

ARCADIS

Michael J. Erickson, P.E.
Associate Vice President

Contact
Michael J. Erickson, P.E.
Phone
810.225.1924
Email
michael.erickson@arcadis-us.com

Our ref
B0064539 00014 #2

Attachments

Copies

Michael Berkoff, USEPA
Sam Chummar, USEPA
Michael Ribordy, USEPA
Paul Bucholtz, MDEQ (with Attachment A)
Jeff Keiser, CH2M HILL
Bonnie Barnett, Esq., Drinker Biddle & Reath LLP
Steven Cook, Esq., Millennium Holdings, LLC
J. Michael Davis, Esq., Georgia-Pacific Corporation
Mellonie Fleming, Esq., Georgia-Pacific Corporation
Mark Tapp, Millennium Holdings, LLC
David Guier, Millennium Holdings, LLC
Suda Arakere, Millennium Holdings, LLC
Paul Montney, P.E., Georgia-Pacific Corporation
L. Chase Fortenberry, P.G., Georgia-Pacific Corporation
Mark Brown, Ph D., Georgia-Pacific Corporation

US EPA RECORDS CENTER REGION 5



407042

Imagine the result

**MONTHLY PROGRESS REPORT FOR THE ALLIED PAPER, INC./PORTAGE CREEK/
KALAMAZOO RIVER SUPERFUND SITE SRI/FS
AREA 1 (MORROW DAM TO PLAINWELL DAM)**

REPORT #11, JANUARY 2008

**PREPARED BY ARCADIS
FEBRUARY 15, 2008**

ON BEHALF OF THE KALAMAZOO RIVER STUDY GROUP (KRSG)

SUBMITTED TO

**JAMES SARIC, REMEDIAL PROJECT MANAGER
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (USEPA)**

**Monthly Progress Report for the Allied Paper, Inc./Portage Creek/
Kalamazoo River Superfund Site SRI/FS – Area 1**

REPORT #11, JANUARY 2008

Significant Developments and Activities during the Period, Including Actions Undertaken Pursuant to the AOC and SOW

- On January 2, KRSG submitted a revised surface sediment post-construction confirmation sampling plan regarding the 2007 TCRA removal areas to USEPA based on comments from USEPA and MDEQ
- On January 7, USEPA provided written approval of the TCRA post-construction surface sediment sampling location figures. ARCADIS forwarded a hard copy set of these figures to the USEPA that same day.
- On January 15, ARCADIS forwarded to USEPA (J Chapman) a recently published paper regarding owls. The paper was titled “Risk Assessment Methodologies for Exposure of Great Horned Owls (*Bubo virginianus*) to PCBs on the Kalamazoo River, Michigan”.
- On January 22, ARCADIS provided to USEPA and MDEQ the results of the historical inundation area reconnaissance in the Plainwell Dam No. 2 area and a proposed soil sampling plan for review. This work is discussed in Section 3.4.2 of the Area 1 SRI/FS Work Plan
- On January 25, ARCADIS forwarded to USEPA information about USEPA’s reconnaissance of the Crown Vantage area requested by M. Berkoff in response to a FOIA inquiry. This information was originally provided to ARCADIS by USEPA (J. Bing-Canar) on September 12, 2007.
- On January 30, USEPA provided comments on the draft risk assessment framework, which was submitted to USEPA on October 5, 2007. This framework is discussed in Section 1.2.1.5 of the SOW.
- The KRSG awaits acceptance of the Data Management Plan (see Section 1.3 of the SOW), which was submitted to USEPA on June 8, 2007.
- The KRSG awaits USEPA’s comments on the draft Conceptual Site Model, which was submitted to USEPA on June 21, 2007. This report is discussed in Section 1.2.1.4 of the SOW
- The KRSG awaits USEPA’s response to the letter requesting USEPA’s data usability determination for existing data for purposes of the SRI/FS, which was submitted to USEPA on August 27, 2007.
- The KRSG awaits USEPA’s comments on the proposed soil sampling plan regarding the Plainwell Dam No. 2 area, which was submitted to USEPA on January 22.
- On January 31, ARCADIS received a CD from USEPA with the GIS files of the bathymetric data collected in the Former Plainwell Impoundment by the USEPA in April 2007.

**Monthly Progress Report for the Allied Paper, Inc./Portage Creek/
Kalamazoo River Superfund Site SRI/FS – Area 1**

REPORT #11, JANUARY 2008

Data Collected and Field Activities Conducted During the Period

- On January 8, ARCADIS segmented the top-of-bank soil cores collected along the mill race and the Kalamazoo River between the Plainwell No. 2 Dam and the confluence of the mill race and the river. Table A presents a summary of the segments forwarded to TestAmerica for analysis. These cores were collected in October and November 2007 as per Section 3.4.2.2 of the Area 1 SRI/FS Work Plan.
- On January 22 and 23, ARCADIS collected the post-removal surface sediment samples from the 2007 TCRA removal areas. Table B presents a summary of the samples collected. This work is discussed in Section 3.4.5 of the Area 1 SRI/FS Work Plan.
- On January 24, MDNR issued a Scientific Collector's Permit to cover fish collection in 2008

Laboratory Data Received During the Period

- On January 15, ARCADIS received laboratory data for the surface water samples collected between December 15 and 19 (sample delivery group [SDG] TCRA26). Table C presents a list of the samples for which data were received. The March 2008 monthly report will present the validated surface water data for these samples.
- Validated data for the SDGs received in October and November are included in this monthly report. These data include the surface water samples collected between October 6 and November 7 (SDGs TCRA9 through TCRA14) (Table D), resident fish collected on November 6 and 7 in Otsego City Impoundment (SDG KAL437) (Table E), surface sediment samples collected from between the Former Georgia-Pacific Mill Lagoons and Crown Vantage Landfill (SDGs SRI001 and SRI002) (Table F), and surface sediment samples collected from Plainwell No. 2 Dam to the Mill Race Confluence (SDGs SRI003 and SRI004) (Table G). Attachment A contains the validation reports for these packages. The enclosed CD contains the EDDs for these data.
- ARCADIS awaits the laboratory data for the soil core samples segmented and the post-removal surface sediment samples collected in January.

Problems

- The post-removal surface sediment sampling was originally scheduled for the week of January 14; however, due to high flow conditions in the river the sampling was postponed until the following week. This was done for the safety of the field crew.

**Monthly Progress Report for the Allied Paper, Inc./Portage Creek/
Kalamazoo River Superfund Site SRI/FS – Area 1**

REPORT #11, JANUARY 2008

Actions Taken to Correct Problems

- None.

Developments Anticipated During the Next Two Reporting Periods

- In February, the KRSG will continue to work on the Baseline Ecological Risk Assessment Report Peer Review Process (see Section 1.2.1.3 of the SOW)
- In February, the KRSG and USEPA are scheduled to participate in a conference call to discuss the Multi-Area Feasibility Study Documents (see Section 1.2.2 of the SOW).
- In February, the MDEQ is scheduled to provide comments on the draft risk assessment framework, which was submitted to USEPA on October 5, 2007. This framework is discussed in Section 1.2.1.5 of the SOW.
- On February 15, ARCADIS is scheduled to submit to USEPA the Annual Area Work Report for Areas 2 through 7, as discussed in Section 1.1.1 of the SOW.
- On February 15, ARCADIS is scheduled to submit to USEPA the Semi-Annual Progress Report for the period from August 2007 through January 2008. This submittal is discussed in Section 7.2 of the SOW.
- On February 21, ARCADIS is scheduled to submit to USEPA the Preliminary Remedial Technology Screening (Section 1.2.2.1 of the SOW), the Preliminary List of Possible Applicable or Relevant and Appropriate Requirements (Section 1.2.2.2. of the SOW), the Preliminary Permitting/Equivalency Requirements (Section 1.2.2.3 of the SOW), and the Candidate Technologies and Testing Needs Technical Memorandum (Section 4.1 of the SOW).
- On February 21, the Responsible Parties are scheduled to submit to USEPA a financial security increase and financial guarantee as noted in Section XXVI Paragraphs 94 and 96 of the AOC.
- In March, ARCADIS is scheduled to submit to USEPA the validated data for the SDGs received in December. This includes the surface water samples collected between November 9 and December 13 (SDGs TCRA15 through TCRA24).

Kalamazoo River Study Group
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #11, January 2008

Table A — Top-of-Bank Sampling — Soil Cores Segmented in January 2008

Location ID	Sample Date	Sample ID	Depth Top (in)	Depth Bottom (in)
KRT11-TB-A	1/8/2007	K25800	0	6
KRT11-TB-A	1/8/2007	K25801	6	12
KRT11-TB-A	1/8/2007	K25802	12	24
KRT11-TB-B	1/8/2007	K25803 [K25804]	0	6
KRT11-TB-B	1/8/2007	K25805 ¹	6	12
KRT11-TB-B	1/8/2007	K25806	12	24
KRT12-TB-A	1/8/2007	K25807 [K25808]	0	6
KRT12-TB-A	1/8/2007	K25809 ¹	6	12
KRT12-TB-A	1/8/2007	K25810	12	16
KRT12-TB-B	1/8/2007	K25811	0	6
KRT12-TB-B	1/8/2007	K25812	6	12
KRT12-TB-B	1/8/2007	K25813	12	16
KRT13-TB-B	1/8/2007	K25814	0	6
KRT13-TB-B	1/8/2007	K25815	6	12
KRT14-TB-A	1/8/2007	K25816	0	6
KRT14-TB-A	1/8/2007	K25817	6	12
KRT14-TB-A	1/8/2007	K25818	12	24
KRT14-TB-A	1/8/2007	K25819	24	29
KRT14-TB-B	1/8/2007	K25820	0	6
KRT14-TB-B	1/8/2007	K25821	6	12
KRT14-TB-B	1/8/2007	K25822	12	17
KRT15-TB-A	1/8/2007	K25823	0	6
KRT15-TB-A	1/8/2007	K25824	6	12
KRT15-TB-A	1/8/2007	K25825	12	14
KRT15-TB-B	1/8/2007	K25826	0	6
KRT15-TB-B	1/8/2007	K25827	6	12
KRT15-TB-B	1/8/2007	K25828	12	14
KRT16-TB-A	1/8/2007	K25829	0	6
KRT16-TB-A	1/8/2007	K25830	6	12
KRT16-TB-A	1/8/2007	K25831	12	15
KRT16-TB-B	1/8/2007	K25832	0	6
KRT16-TB-B	1/8/2007	K25833	6	12
KRT16-TB-B	1/8/2007	K25834	12	13

Notes:

All samples analyzed by TestAmerica Laboratories, Inc for PCBs, TOC and particle size distribution analysis

Duplicate samples are in brackets

¹MS/MSD performed on this sample

Kalamazoo River Study Group
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #11, January 2008

Table B — Post-Removal Sediment Sampling — Former Plainwell Impoundment — Samples Collected in January 2008

Location ID	Sample Date	Sample ID	Sample Description
PCS-1-1	1/23/2008	K55482	Orange Brown Fine to Coarse Sand, Little Fine to Medium Gravel Over Dark Gray Clayey Silt, Slight Odor
PCS-1-2	1/23/2008	K55481	Brown Fine to Coarse Sand, Little Fine to Medium Gravel Over Dark Gray Silty Fine Sand, Trace Organics (Wood)
PCS-1-3	1/23/2008	K55480	Brown Fine to Medium Gravel Over Dark Gray Silty Fine Sands, Loose
PCS-2A-1	1/23/2008	K55479	Gray Brown Loose Silt, Little Fine Sand, Little Organics (Leaves, Vegetation, Twigs)
PCS-2A-2	1/23/2008	K55478	Gray Brown Fine to Medium Sand, Little Coarse Sand, Trace Fine Gravel, Trace Organics (Wood), Loose
PCS-2A-3	1/23/2008	K55477	Gray Brown Fine to Medium Sand, Little Coarse Sand, Trace Fine Gravel, Trace Shells, Loose
PCS-3B-1	1/23/2008	K55483	Gray Brown Fine to Medium Sand, Little Coarse Sand, Trace Fine to Medium Gravel, Trace Organics (Twigs), Over Gray Brown Sandy Clay
PCS-3B-2	1/23/2008	K55484	Gray Brown Fine to Coarse Sand, Little/Some Fine to Coarse Gravel, Trace Silt, Loose
PCS-3B-3	1/23/2008	K55485	Gray Brown Fine to Medium Sand, Little Coarse Sand, Little Fine to Coarse Gravel, Trace Silt
PCS-4B-1	1/23/2008	K55486	Gray Brown Fine to Coarse Gravel and Fine to Coarse Sand, Trace Silt, Trace Shells
PCS-4B-2	1/23/2008	K55487	Gray Brown Fine to Medium Sand, Trace Coarse Sand, Loose
PCS-4B-3	1/23/2008	K55488	Gray Brown Fine to Medium Sand, Trace Coarse Sand, Trace Shells
PCS-5-1	1/23/2008	K55476	Brown Very Loose Silt, Trace Fine Sand, Trace Organics (Vegetation)
PCS-5-2	1/23/2008	K55475	Brown Very Loose Silt, Trace Fine Sand, Trace Organics (Vegetation)
PCS-5-3	1/23/2008	K55474	Dark Brown Silt, Little Fine Sand, Trace Coarse Gravel
PCS-6A-1	1/23/2008		No Sediment - No Sample Collected
PCS-6A-2	1/23/2008	K55489	Gray Brown Fine to Coarse Gravel, Little Fine to Coarse Sand, Trace Shells
PCS-6A-3	1/23/2008	K55490	Gray Brown Fine to Coarse Sand, Little/Some Fine to Coarse Gravel, Little Shells, Trace Vegetation
PCS-6B-1	1/22/2008	K55466 ¹ [K55467]	Dark Gray Brown Silty Clay, Trace Fine to Coarse Sand, Trace Fine to Medium Gravel, Slight Odor, Trace Shells
PCS-6B-2	1/22/2008	K55465	Gray Brown Fine to Medium Sand, Little Coarse Sand, Trace Fine to Medium Gravel, Trace Silt
PCS-6B-3	1/22/2008	K55464	Dark Gray Brown Silty Fine to Coarse Sand, Trace Fine to Medium Gravel, Slight Odor

See Notes on Page 2.

Kalamazoo River Study Group
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #11, January 2008

Table B — Post-Removal Sediment Sampling — Former Plainwell Impoundment — Samples Collected in January 2008

Location ID	Sample Date	Sample ID	Sample Description
PCS-7-1	1/22/2008		No Sediment - No Sample Collected
PCS-7-2	1/22/2008	K55463	Gray Brown Fine to Medium Sand, Trace Coarse Sand, Trace Shells
PCS-7-3	1/22/2008		No Sediment - No Sample Collected
PCS-8-1	1/22/2008	K55461 ¹ [K55462]	Gray Brown Fine to Medium Sand, Trace Coarse Sand, Trace Shells
PCS-8-2	1/22/2008	K55460	Gray Brown Fine to Medium Sand, Little Coarse Sand, Trace Shells, Trace Slag, Loose
PCS-8-3	1/22/2008	K55459	Brown Fine to Coarse Sand and Shells, Loose
PCS-I1-1	1/22/2008	K55470	Gray Brown Fine to Coarse Sand, Little Fine to Coarse Gravel, Trace Shells, Loose
PCS-I1-2	1/22/2008	K55469	Gray Brown Fine to Coarse Sand, Little Fine to Medium Gravel, Little Shells, Loose
PCS-I1-3	1/22/2008	K55468	Gray Brown Fine to Medium Sand, Trace Coarse Sand, Trace Fine to Medium Gravel, Trace Shells
PCS-I2-1	1/22/2008	K55473	Dark Brown Leaves and Loose, Watery Silt
PCS-I2-2	1/22/2008	K55472	Gray Brown Fine to Medium Sand, Trace Coarse Sand, Trace Fine Gravel, Trace Shells, Loose
PCS-I2-3	1/22/2008	K55471	Gray Brown Fine to Medium Sand, Little Coarse Sand, Trace Fine to Coarse Gravel, Loose

Notes:

All samples analyzed by TestAmerica Laboratories, Inc for PCB analysis

Duplicate samples are in brackets.

¹MS/MSD performed on this sample

Sample interval is 0 to 2 inches unless otherwise noted

Kalamazoo River Study Group
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #11, January 2008

Table C — Upstream/Downstream Surface Water Sampling — Plainwell TCRA — Data Received in January 2008

Sample ID	Sample Date	Data Received	Sample Delivery Group	Sample Location
K30773	12/15/2007	1/15/2008	TCRA26_SDSP	10th Street Bridge
K30774	12/15/2007	1/15/2008	TCRA26_SDSP	Farmer Street Bridge
K30775	12/17/2007	1/15/2008	TCRA26_SDSP	10th Street Bridge
K30776	12/17/2007	1/15/2008	TCRA26_SDSP	Farmer Street Bridge
K30777	12/19/2007	1/15/2008	TCRA26_SDSP	10th Street Bridge
K30778	12/19/2007	1/15/2008	TCRA26_SDSP	Farmer Street Bridge

Note:

All samples analyzed by TestAmerica Laboratories, Inc. for PCBs and TSS

Kalamazoo River Study Group
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #11, January 2008

Table D — Results for Upstream/Downstream Surface Water — Plainwell TCRA — Samples Collected in
October and November 2007

Sample Name:		K30700	K30701	K30702	K30703	K30704	K30705	K30706	K30707	K30709
Date Collected:		10/06/07	10/06/07	10/06/07	10/06/07	10/10/07	10/10/07	10/12/07	10/12/07	10/14/07
Location ID:	Units	10th St.	Farmer St.	Farmer St.	10th St.	10th St.	Farmer St.	10th St.	Farmer St.	10th St.
PCB Aroclors										
Aroclor-1016	ug/L	0 049 U	0 048 U	0 047 U	0.049 U	0 049 U	0 051 U	0 047 U	0 051 U	0 049 U
Aroclor-1221	ug/L	0 049 U	0 048 U	0 047 U	0 049 U	0 049 U	0 051 U	0 047 U	0 051 U	0 049 U
Aroclor-1232	ug/L	0 049 U	0 048 U	0 047 U	0 049 U	0 049 U	0 051 U	0 047 U	0 051 U	0 049 U
Aroclor-1242	ug/L	0 049 U	0 048 U	0 047 U	0 049 U	0 049 U	0 051 U	0 047 U	0 051 U	0 049 U
Aroclor-1248	ug/L	0 049 U	0 048 U	0 047 U	0.049 U	0 049 U	0 051 U	0 047 U	0 051 U	0 049 U
Aroclor-1254	ug/L	0.049 U	0.048 U	0 047 U	0 049 U	0 049 U	0 051 U	0 047 U	0 051 U	0 049 U
Aroclor-1260	ug/L	0 049 U	0 048 U	0 047 U	0 049 U	0 049 U	0 051 U	0 047 U	0 051 U	0 049 U
Total PCBs	ug/L	0 049 U	0 048 U	0 047 U	0.049 U	0 049 U	0 051 U	0 047 U	0 051 U	0 049 U
Miscellaneous										
Total Suspended Solids	mg/L	4 4	12 1	14 1	15 2	4 9	13 7	5 9	12 8	9 5

See Notes on Page 4

Kalamazoo River Study Group
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #11, January 2008

**Table D — Results for Upstream/Downstream Surface Water — Plainwell TCRA — Samples Collected in
October and November 2007**

Sample Name:		K30710	K30712	K30713	K30714	K30715	K30716	K30717	K30718	K30719
Date Collected:		10/14/07	10/14/07	10/14/07	10/18/07	10/18/07	10/20/07	10/20/07	10/22/07	10/22/07
Location ID:	Units	Farmer St.	10th St.	Farmer St.						
PCB Aroclors										
Aroclor-1016	ug/L	0 047 U	0 047 U	0 048 U	0.047 U	0 047 U	0 047 U	0 05 U	0 051 U	0 053 U
Aroclor-1221	ug/L	0 047 U	0.047 U	0 048 U	0 047 U	0 047 U	0 047 U	0 05 U	0 051 U	0 053 U
Aroclor-1232	ug/L	0 047 U	0.047 U	0 048 U	0 047 U	0 047 U	0 047 U	0 05 U	0 051 U	0 053 U
Aroclor-1242	ug/L	0.047 U	0 047 U	0 048 U	0 047 U	0 047 U	0 047 U	0 05 U	0 051 U	0 053 U
Aroclor-1248	ug/L	0 047 U	0 047 U	0 048 U	0 047 U	0 047 U	0 047 U	0 05 U	0 051 U	0 053 U
Aroclor-1254	ug/L	0.047 U	0 047 U	0 048 U	0.047 U	0 047 U	0 047 U	0 05 U	0 051 U	0 053 U
Aroclor-1260	ug/L	0.047 U	0 047 U	0 048 U	0 047 U	0 047 U	0 047 U	0 05 U	0 051 U	0 053 U
Total PCBs	ug/L	0 047 U	0 047 U	0 048 U	0 047 U	0 047 U	0 047 U	0 05 U	0 051 U	0 053 U
Miscellaneous										
Total Suspended Solids	mg/L	3 8	28.5	9 5	6 8	6.7	11 4	19 4	9 4	4 8

See Notes on Page 4

Kalamazoo River Study Group
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #11, January 2008

**Table D — Results for Upstream/Downstream Surface Water — Plainwell TCRA — Samples Collected in
October and November 2007**

Sample Name:		K30720	K30721	K30722	K30723	K30724	K30725	K30726	K30727
Date Collected:		10/24/07	10/24/07	10/26/07	10/26/07	10/28/07	10/28/07	10/30/07	10/30/07
Location ID:	Units	10th St.	Farmer St.						
PCB Aroclors									
Aroclor-1016	ug/L	0 047 U	0 051 U	0 051 U	0.049 U	0.047 U	0.052 U	0 047 U	0 047 U
Aroclor-1221	ug/L	0 047 U	0 051 U	0 051 U	0.049 U	0 047 UJ	0 052 UJ	0 047 UJ	0 047 UJ
Aroclor-1232	ug/L	0.047 U	0 051 U	0 051 U	0.049 U	0 047 U	0 052 U	0 047 U	0 047 U
Aroclor-1242	ug/L	0 047 U	0 051 U	0 051 U	0.049 U	0 047 U	0 052 U	0 047 U	0.047 U
Aroclor-1248	ug/L	0 047 U	0 051 U	0.051 U	0 049 U	0 047 U	0 052 U	0 047 U	0 047 U
Aroclor-1254	ug/L	0 047 U	0 051 U	0 051 U	0.049 U	0.047 U	0.052 U	0 047 U	0 047 U
Aroclor-1260	ug/L	0 047 U	0 051 U	0 051 U	0 049 U	0 047 U	0 052 U	0.047 U	0 047 U
Total PCBs	ug/L	0.047 U	0 051 U	0 051 U	0 049 U	0 047 UJ	0 052 UJ	0 047 UJ	0.047 UJ
Miscellaneous									
Total Suspended Solids	mg/L	3.1	3.1	6.4	2	41 J	21 J	2.7	34

See Notes on Page 4.

Kalamazoo River Study Group
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #11, January 2008

Table D — Results for Upstream/Downstream Surface Water — Plainwell TCRA — Samples Collected in October and November 2007

Sample Name:		K30728	K30729	K30730	K30731	K30732	K30733	K30734	K30735
Date Collected:		11/01/07	11/01/07	11/03/07	11/03/07	11/05/07	11/05/07	11/07/07	11/07/07
Location ID:	Units	10th St.	Farmer St.						
PCB Aroclors									
Aroclor-1016	ug/L	0.051 U	0.054 U	0.047 U	0.055 U	0.051 U	0.052 U	0.047 U	0.052 U
Aroclor-1221	ug/L	0.051 UJ	0.054 UJ	0.047 UJ	0.055 UJ	0.051 UJ	0.052 UJ	0.047 UJ	0.052 UJ
Aroclor-1232	ug/L	0.051 U	0.054 U	0.047 U	0.055 U	0.051 U	0.052 U	0.047 U	0.052 U
Aroclor-1242	ug/L	0.051 U	0.054 U	0.047 U	0.055 U	0.051 U	0.052 U	0.047 U	0.052 U
Aroclor-1248	ug/L	0.051 U	0.054 U	0.047 U	0.055 U	0.051 U	0.052 U	0.047 U	0.052 U
Aroclor-1254	ug/L	0.051 U	0.054 U	0.047 U	0.055 U	0.051 U	0.052 U	0.047 U	0.052 U
Aroclor-1260	ug/L	0.051 U	0.054 U	0.047 U	0.055 U	0.051 U	0.052 U	0.047 U	0.052 U
Total PCBs	ug/L	0.051 UJ	0.054 UJ	0.047 UJ	0.055 UJ	0.051 UJ	0.052 UJ	0.047 UJ	0.052 UJ
Miscellaneous									
Total Suspended Solids	mg/L	1 9	5 7	0 8	0 7	2 9	2 4	1 8	0 7

Notes Regarding Data Qualifiers:

- J - The compound was positively identified; however, the associated numerical value is an estimated concentration only
- U - The compound was analyzed for but not detected. The associated value is the compound quantitation limit
- UJ - The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.

Kalamazoo River Study Group
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #11, January 2008

Table E — Results for Resident Fish Collected in Otsego City Impoundment — Samples
Collected in November 2007

Location ID:		ABSA-06 11/06/07 SMB-08	ABSA-06 11/07/07 SMB-09	ABSA-06 11/07/07 SMB-10	ABSA-06 11/07/07 SMB-11	ABSA-06 11/07/07 SMB-12
PCB Aroclors						
Aroclor-1016	mg/kg	0.25 U				
Aroclor-1221	mg/kg	0.25 U				
Aroclor-1232	mg/kg	0.25 U				
Aroclor-1242	mg/kg	0.80	0.62	0.71	0.76	0.83
Aroclor-1248	mg/kg	0.25 U				
Aroclor-1254	mg/kg	2.1	1.7	2.0	2.1	2.5
Aroclor-1260	mg/kg	0.21 J	0.22 J	0.23 J	0.25 U	0.25 U
Total PCBs	mg/kg	3.1 J	2.5 J	2.9 J	2.9	3.3
Miscellaneous						
Lipids	%	2.9	2.6	2.3	2.5	2.6

Notes Regarding Data Qualifiers:

- J - The compound was positively identified; however, the associated numerical value is an estimated concentration only
- U - The compound was analyzed for but not detected. The associated value is the compound quantitation limit

Kalamazoo River Study Group
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #11, January 2008

**Table F—Results for Surface Sediment Samples — Former Georgia-Pacific Mill
Lagoons to Crown Vantage — Samples Collected in October 2007**

Location ID:		KP2C-9 0 - 2	KP2C-10 0 - 2	KP2F-3 0 - 2	KP2F-4 0 - 2	KP2F-5 0 - 2	KP2F-6 0 - 2
Sample Depth (inches):		10/11/07	10/11/07	10/11/07	10/11/07	10/11/07	10/11/07
Date Collected:	Units	K55404	K55406	K55403	K55402	K55400	K55405
PCB Aroclors							
Aroclor-1016	mg/kg	0.065 U	0.068 U	0.071 U	0.13 U	0.075 U [0.15 U]	0.088 U
Aroclor-1221	mg/kg	0.065 U	0.068 U	0.071 U	0.13 U	0.075 U [0.15 U]	0.088 U
Aroclor-1232	mg/kg	0.065 U	0.068 U	0.071 U	0.13 U	0.075 U [0.15 U]	0.088 U
Aroclor-1242	mg/kg	0.045 J	0.068 U	0.071 U	0.082 J	0.38 [0.15 U]	1.2
Aroclor-1248	mg/kg	0.065 U	0.068 U	0.071 U	0.13 U	0.075 UJ [0.95 J]	0.088 U
Aroclor-1254	mg/kg	0.099	0.44	0.061 J	0.22	0.63 [0.97]	0.60
Aroclor-1260	mg/kg	0.065 U	0.060 J	0.071 U	0.13 U	0.075 U [0.11 J]	0.088 U
Total PCBs	mg/kg	0.14 J	0.50 J	0.061 J	0.30 J	1.0 J [2.0 J]	1.8
Miscellaneous							
Percent Solids	%	76.9	73.2	69.6	38.9	65.9 [65.8]	57
Total Organic Carbon	mg/kg	4,790	5,970	8,900	60,900	27,100 J [20,800]	86,000
Grain Size Analysis							
75000	% passing	100	100	100	100	100 [100]	100
50000	% passing	100	100	100	100	100 [100]	100
37500	% passing	100	100	100	100	100 [100]	100
25000	% passing	100	100	100	100	100 [100]	100
19000	% passing	100	100	100	100	100 [100]	96.4
9500	% passing	100	100	100	100	98.7 [100]	79.1
4750	% passing	96.5	99.6	99.6	99.1	92.9 [92.7]	66.2
2000	% passing	84.9	99.2	99.4	98	76.3 [79.4]	52.9
850	% passing	61.1	97.9	98.8	97.3	65.6 [66.9]	42.7
425	% passing	31.8	89.1	95.2	95.1	48.1 [49.2]	33.8
250	% passing	9.6	49.7	84.4	89	26.5 [27.5]	24.4
180	% passing	5.4	19.5	50.9	71.8	16.9 [17.8]	16.9
150	% passing	4.1	13.2	29.7	55.6	13.6 [14.5]	13.1
75	% passing	3.1	7.9	4.3	22.1	9.5 [10.4]	6.2
27	% passing	0.6	3.1	1.7	4.1	3.7 [3.7]	4.6
18	% passing	0.6	2.5	1.7	3.1	3.7 [3.1]	3.8
10.7	% passing	0.6	2.4	1.7	3.1	3.1 [2.5]	2.3
10	% passing	0.6	1.3	1.2	3.1	2.5 [1.9]	1.5
5.9	% passing	0.1	1.2	0.6	2.1	1.9 [1.3]	0.9
3	% passing	0	1.2	0.5	1	1.3 [0.7]	0
1.3	% passing	0	1.2	0	0	1.2 [0]	0
Clay	%	0.1	1.2	0.6	2.1	1.9 [1.3]	0.9
Coarse Sand	%	11.6	0.4	0.1	1.1	16.7 [13.3]	13.3
Fine Sand	%	28.7	81.2	90.9	73	38.6 [38.7]	27.6
Gravel	%	3.5	0.4	0.4	0.9	7.1 [7.3]	33.8
Medium Sand	%	53.1	10.1	4.3	2.9	28.2 [30.2]	19.1
Silt	%	3.1	6.7	3.6	19.9	7.6 [9.2]	5.3

See Notes on Page 5.

Kalamazoo River Study Group
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #11, January 2008

**Table F — Results for Surface Sediment Samples — Former Georgia-Pacific Mill
Lagoons to Crown Vantage — Samples Collected in October 2007**

Location ID: Sample Depth (inches): Date Collected: Sample Name:	Units	KP3C-1 0 - 2 10/12/07 K55419	KP3C-2 0 - 2 10/11/07 K55408	KP3C-3 0 - 2 10/11/07 K55407	KP3C-4 0 - 2 10/11/07 K55411	KP3C-5 0 - 2 10/11/07 K55410	KP3C-6 0 - 2 10/18/07 K55431
PCB Aroclors							
Aroclor-1016	mg/kg	0.059 U	0.080 U	0.069 U	0.077 U	0.065 U	0.078 U [0.077 U]
Aroclor-1221	mg/kg	0.059 U	0.080 U	0.069 U	0.077 U	0.065 U	0.078 U [0.077 U]
Aroclor-1232	mg/kg	0.059 U	0.080 U	0.069 U	0.077 U	0.065 U	0.078 U [0.077 U]
Aroclor-1242	mg/kg	0.059 J	0.080 U	0.10	0.077 U	0.27	0.12 [0.11]
Aroclor-1248	mg/kg	0.059 U	0.080 U	0.076	0.12	0.17	0.062 J [0.065 J]
Aroclor-1254	mg/kg	0.059 U	0.080 U	0.069 J	0.086	0.15	0.10 [0.096]
Aroclor-1260	mg/kg	0.059 U	0.080 U	0.069 U	0.077 U	0.034 J	0.078 U [0.077 U]
Total PCBs	mg/kg	0.059 J	0.080 U	0.25 J	0.21	0.62 J	0.28 J [0.27 J]
Miscellaneous							
Percent Solids	%	84.1	62.4	71.6	64.5	76.6	64.4 [65.1]
Total Organic Carbon	mg/kg	7,080	22,300	7,650	12,600	5,460	22,800 J [13,600 J]
Grain Size Analysis							
75000	% passing	100	100	100	100	100	100 [100]
50000	% passing	100	100	100	100	100	100 [100]
37500	% passing	100	100	100	100	100	100 [100]
25000	% passing	100	100	100	100	100	100 [100]
19000	% passing	90	100	100	100	100	100 [100]
9500	% passing	75.8	94.4	99.4	100	98.9	100 [99.6]
4750	% passing	54	91.3	97.5	99.1	98.3	99.1 [99]
2000	% passing	34.2	87.7	93.7	98.1	95.2	97.3 [97.8]
850	% passing	24.5	84.3	88.1	96.9	84.8	96 [96.7]
425	% passing	14.9	79	77.3	92.7	60.6	93.9 [94.5]
250	% passing	6.9	63	49.1	75.5	19.5	84.8 [85.2]
180	% passing	4	36	23.5	47.8	5.2	46.7 [48.4]
150	% passing	3.2	26.1	15.7	35.8	3.6	26.3 [29]
75	% passing	1.2	12.7	5.8	14.8	2.6	2.6 [6.4]
27	% passing	0.8	6.7	1.8	3.2	1.1	1.9 [1.9]
18	% passing	0.3	6	1.8	2.5	1.1	1.9 [1.9]
10.7	% passing	0.3	4	1.2	1.9	1.1	1.2 [1.3]
10	% passing	0.3	3.4	0.6	1.2	0.5	1.2 [1.3]
5.9	% passing	-0.1	2.7	0.6	0.6	0	0.6 [0.8]
3	% passing	-0.5	2	0	0.1	-0.1	-0.1 [0.8]
1.3	% passing	-0.4	1.3	0	0	-0.1	-0.1 [0.3]
Clay	%	-0.1	2.7	0.6	0.6	0	0.6 [0.8]
Coarse Sand	%	19.8	3.5	3.8	1	3.1	1.8 [1.2]
Fine Sand	%	13.8	66.4	71.5	77.9	57.9	91.3 [88.1]
Gravel	%	46	8.7	2.5	0.9	1.7	0.9 [1]
Medium Sand	%	19.2	8.7	16.3	5.4	34.6	3.4 [3.3]
Silt	%	12	10	5.2	14.2	2.6	2 [5.6]

See Notes on Page 5

Kalamazoo River Study Group
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #11, January 2008

**Table F — Results for Surface Sediment Samples — Former Georgia-Pacific Mill
Lagoons to Crown Vantage — Samples Collected in October 2007**

Location ID: Sample Depth:(inches):		KP3C-8 0 - 2	KP3C-9 0 - 2	KP3C-10 0 - 2	KP3C-11 0 - 2	KP3C-12 0 - 2	KP3F-1 0 - 2	KP3F-2 0 - 2
Date Collected:		10/12/07	10/12/07	10/18/07	10/18/07	10/12/07	10/18/07	10/11/07
Sample Name:	Units	K55413	K55412	K55428	K55427	K55415	K55430	K55409
PCB Aroclors								
Aroclor-1016	mg/kg	0 10 U	0 059 U	0.078 U	0 062 U	0 060 U	0 069 U	0.077 U
Aroclor-1221	mg/kg	0 10 U	0 059 U	0.078 U	0 062 U	0 060 U	0 069 U	0.077 U
Aroclor-1232	mg/kg	0 10 U	0 059 U	0.078 U	0 062 U	0 060 U	0 069 U	0.077 U
Aroclor-1242	mg/kg	0 39	0 20	0 30	0 058 J	0 060 U	0 067 J	0 41
Aroclor-1248	mg/kg	0 10 U	0 059 U	0.078 U	0 062 U	0 060 U	0 069 U	0.077 U
Aroclor-1254	mg/kg	0 52	0 059 U	0 21	0.032 J	0 060 U	0 14	0 19
Aroclor-1260	mg/kg	0 31	0 059 U	0.078 U	0 062 U	0 060 U	0 12	0 043 J
Total PCBs	mg/kg	1 2	0 20	0 51	0.090 J	0 060 U	0 33 J	0 64 J
Miscellaneous								
Percent Solids	%	50 4	85 4	64 4	81	83 1	72 1	64.6
Total Organic Carbon	mg/kg	50,900	12,000	12,800 J	8,930	8,400	19,000	15,000
Grain Size Analysis								
75000	% passing	100	100	100	100	100	100	100
50000	% passing	100	100	100	100	100	100	100
37500	% passing	100	100	100	100	100	100	100
25000	% passing	100	100	100	100	100	100	100
19000	% passing	100	100	100	70 3	65 9	100	100
9500	% passing	98.9	83 9	99 9	57.5	47 4	99 7	100
4750	% passing	98.4	51 9	99 1	45 6	34 8	88.4	97.1
2000	% passing	95 8	27 3	97 5	36 1	24 7	73 9	96 5
850	% passing	93 2	17	94 8	29 6	17 9	64 6	94.8
425	% passing	90 3	10 2	85 7	20 7	8 3	54 2	92.5
250	% passing	84 6	4 9	61.2	12 8	4 1	27 2	85 4
180	% passing	69 1	1 7	33.7	6 6	2.2	11 8	51 7
150	% passing	59 1	1 2	20.1	4	1 6	8	29 6
75	% passing	23 5	0 5	2.8	0.8	0 9	5 5	3 9
27	% passing	5 4	-0 4	2 5	0 8	0	1 2	3 9
18	% passing	4 1	-0 4	1 9	0 8	-0 3	1 2	3 3
10 7	% passing	3 4	-0 4	1 9	0 8	-0 3	0 8	2 6
10	% passing	2 7	-0 4	1 2	0 5	-0 3	0 8	2 6
5 9	% passing	2	-0 4	0 6	0 2	-0 3	0 4	2
3	% passing	0	-0 4	0 5	0 2	-0 3	-0 1	1 2
1 3	% passing	0	-0 4	0 6	0 2	-0 3	-0 1	1 2
Clay	%	2	-0 4	0 6	0 2	-0 3	0 4	2
Coarse Sand	%	2 6	24 6	1 6	9 4	10 1	14 5	0 6
Fine Sand	%	66 8	9 6	82 9	19 9	7 4	48 7	88 6
Gravel	%	1 6	48 1	0 9	54 4	65 2	11 6	2 9
Medium Sand	%	5 5	17 1	11 8	15 4	16 4	19 7	4
Silt	%	21 4	0 9	2 2	0 6	1 2	5 1	2

See Notes on Page 5

Kalamazoo River Study Group
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #11, January 2008

**Table F — Results for Surface Sediment Samples — Former Georgia-Pacific Mill
Lagoons to Crown Vantage — Samples Collected in October 2007**

Location ID: Sample Depth (inches): Date Collected: Sample Name:	Units	KP3F-3 0 - 2 10/18/07 K55429	KP3F-4 0 - 2 10/18/07 K55432	KP3F-5 0 - 2 10/12/07 K55418	KP3F-6 0 - 2 10/12/07 K55417	KP3F-7 0 - 2 10/12/07 K55416	KP3F-8 0 - 2 10/12/07 K55414	KP4C-7 0 - 2 10/18/07 K55420
PCB Aroclors								
Aroclor-1016	mg/kg	0.24 U	0.064 U	0.067 U	0.070 U	0.062 U	0.074 U	0.31 U
Aroclor-1221	mg/kg	0.24 U	0.064 U	0.067 U	0.070 U	0.062 U	0.074 U	0.31 U
Aroclor-1232	mg/kg	0.24 U	0.064 U	0.067 U	0.070 U	0.062 U	0.074 U	0.31 U
Aroclor-1242	mg/kg	1.6	0.063 J	0.18	0.23	0.11	0.13	0.31 U
Aroclor-1248	mg/kg	0.24 U	0.064 U	0.067 U	0.070 U	0.037 J	0.074 U	0.64
Aroclor-1254	mg/kg	0.88	0.038 J	0.13	0.23	0.076	0.045 J	0.52
Aroclor-1260	mg/kg	0.24 U	0.064 U	0.067 U	0.070 U	0.062 U	0.074 U	0.31 U
Total PCBs	mg/kg	2.5	0.10 J	0.31	0.46	0.22 J	0.18 J	1.2
Miscellaneous								
Percent Solids	%	40.7	77.5	74.1	71.2	80.2	68.1	16.4
Total Organic Carbon	mg/kg	89,500	11,100	8,430	20,800	18,900	32,100	105,000
Grain Size Analysis								
75000	% passing	100	100	100	100	100	100	100
50000	% passing	100	100	100	100	100	100	100
37500	% passing	100	100	100	100	100	100	100
25000	% passing	100	100	100	100	100	100	100
19000	% passing	42.8	81	100	100	81.3	100	100
9500	% passing	27.8	75.3	100	100	69.7	93	99.9
4750	% passing	20.1	63	99.5	99.9	57.6	83	98.9
2000	% passing	13.2	51.8	99.2	99.5	45.6	68.3	98.7
850	% passing	7.8	45.1	98.9	99.1	36.7	53.2	97.4
425	% passing	4.3	33.8	98.1	97	24.1	29.8	96.4
250	% passing	2.8	18.3	91.6	79.2	9.2	16.3	95.2
180	% passing	2.3	8.3	57.7	34.7	4.1	9.8	94
150	% passing	2	5.8	37.9	21.4	3.2	7.9	93.4
75	% passing	1.6	2.8	5	5	2.1	4.5	89.3
27	% passing	0.9	2.4	1.6	2.9	0.3	1.3	63.2
18	% passing	0.9	2	1.1	1	0	0.6	37
10.7	% passing	0.7	1.3	1.1	0.5	0	0.6	30.9
10	% passing	0.3	1.3	0.5	0.5	0	0.6	22.8
5.9	% passing	0.2	0.9	-0.1	-0.1	-0.3	0	18.8
3	% passing	0.2	0.9	-0.5	-0.6	-0.3	-0.6	10.1
1.3	% passing	0.2	0.5	-0.5	-0.6	-0.3	-0.6	6
Clay	%	0.2	0.9	-0.1	-0.1	-0.3	0	18.8
Coarse Sand	%	7	11.2	0.3	0.3	12	14.7	0.2
Fine Sand	%	2.7	31	93.1	92	22	25.3	7.1
Gravel	%	79.9	37	0.5	0.1	42.4	17	1.1
Medium Sand	%	8.8	18	1.2	2.5	21.6	38.5	2.4
Silt	%	1.4	1.9	5	5.1	2.4	4.5	70.4

See Notes on Page 5.

Kalamazoo River Study Group
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #11, January 2008

**Table F — Results for Surface Sediment Samples — Former Georgia-Pacific Mill
Lagoons to Crown Vantage — Samples Collected in October 2007**

Location ID:		KP4C-9 0 - 2	KP4C-10 0 - 2	KP4F-7 0 - 2	KP4F-8 0 - 2	KP4F-9 0 - 2	KP4F-10 0 - 2
Sample Depth (inches):	Units	10/18/07 K55423	10/18/07 K55425	10/18/07 K55421	10/18/07 K55422	10/18/07 K55424	10/18/07 K55426
PCB Aroclors							
Aroclor-1016	mg/kg	0.078 U	0.062 U	0.25 U	0.080 U	0.14 U	0.066 U
Aroclor-1221	mg/kg	0.078 U	0.062 U	0.25 U	0.080 U	0.14 U	0.066 U
Aroclor-1232	mg/kg	0.078 U	0.062 U	0.25 U	0.080 U	0.14 U	0.066 U
Aroclor-1242	mg/kg	0.078 U	0.097	0.25 U	0.24	0.085 J	0.037 J
Aroclor-1248	mg/kg	0.078 U	0.062 U	0.39	0.39	0.23	0.066 U
Aroclor-1254	mg/kg	0.078 U	0.036 J	0.43	0.32	0.29	0.066 U
Aroclor-1260	mg/kg	0.078 U	0.062 U	0.25 U	0.052 J	0.072 J	0.066 U
Total PCBs	mg/kg	0.078 U	0.13 J	0.82	1.0 J	0.68 J	0.037 J
Miscellaneous							
Percent Solids	%	63.8	79.7	19.7	62.1	36.1	76
Total Organic Carbon	mg/kg	24,200	10,400	105,000	24,700	37,800	3,910
Grain Size Analysis							
75000	% passing	100	100	100	100	100	100
50000	% passing	100	100	100	100	100	100
37500	% passing	100	100	100	100	100	100
25000	% passing	100	100	100	100	100	100
19000	% passing	100	67.4	100	88.8	82.9	100
9500	% passing	82.2	50.2	92.4	80	56.3	95.8
4750	% passing	68.2	36.2	91.2	71.3	45.7	90.4
2000	% passing	50.6	27	90.1	65.6	38.5	82.9
850	% passing	38.6	21.1	88	63.4	34.1	76.1
425	% passing	25.4	14.7	86.8	59.5	27.5	60
250	% passing	11.6	7.3	84.4	47	18	26.7
180	% passing	7.2	5.1	81.5	24.6	12.4	11
150	% passing	5.8	4.6	79.5	15.8	9	7.2
75	% passing	2.9	3.7	69.4	3.9	3.3	2.9
27	% passing	1.5	0.4	44.4	3.7	3	1
18	% passing	1.5	0.4	19.9	3.2	2.6	1
10.7	% passing	1.1	0.4	16.4	2.7	1.8	1
10	% passing	1.1	0.4	12.9	2.2	1.3	0.4
5.9	% passing	0.5	-0.3	9.4	1.6	0.9	0.4
3	% passing	0.5	-0.3	5.3	1	0.4	-0.1
1.3	% passing	0.5	-0.3	3.5	0.5	0	-0.1
Clay	%	0.5	-0.3	9.4	1.6	0.9	0.4
Coarse Sand	%	17.6	9.2	1.1	5.7	7.3	7.4
Fine Sand	%	22.4	11	17.4	55.7	24.2	57.2
Gravel	%	31.8	63.8	8.8	28.7	54.3	9.6
Medium Sand	%	25.3	12.3	3.3	6	11	22.9
Silt	%	2.4	4	60.1	2.3	2.4	2.4

Note:

Duplicate results presented in brackets

Notes Regarding Data Qualifiers:

J - The compound was positively identified, however, the associated numerical value is an estimated concentration only

U - The compound was analyzed for but not detected. The associated value is the compound quantitation limit

Kalamazoo River Study Group
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #11, January 2008

**Table G — Results for Surface Sediment Samples — Plainwell No. 2 Dam to the
Mill Race Confluence — Samples Collected in October 2007**

Location ID: Sample Depth (inches): Date Collected: Sample Name:	Units	KP6C-7 0 - 2 10/23/07 K55443	KP6C-8 0 - 2 10/23/07 K55444	KP6C-10 0 - 2 10/23/07 K55436	KP6C-11 0 - 2 10/23/07 K55437	KP6C-12 0 - 2 10/23/07 K55438	KP6C-13 0 - 2 10/23/07 K55439	KP6C-14 0 - 2 10/24/07 K55448
PCB Aroclors								
Aroclor-1016	mg/kg	0.059 U	0.059 U	0.075 U	0.065 U	0.064 U	0.066 U	0.053 U
Aroclor-1221	mg/kg	0.059 UJ	0.059 UJ	0.075 UJ	0.065 UJ	0.064 UJ	0.066 UJ	0.053 UJ
Aroclor-1232	mg/kg	0.059 U	0.059 U	0.075 U	0.065 U	0.064 U	0.066 U	0.053 U
Aroclor-1242	mg/kg	0.049 J	0.14	0.25	0.17	0.064 U	0.14	0.053 U
Aroclor-1248	mg/kg	0.059 U	0.059 U	0.075 U	0.065 U	0.064 U	0.48	0.053 U
Aroclor-1254	mg/kg	0.059 U	0.059 U	0.075 U	0.065 U	0.064 U	0.066 U	0.053 U
Aroclor-1260	mg/kg	0.059 U	0.059 U	0.075 U	0.065 U	0.064 U	0.066 U	0.053 U
Total PCBs	mg/kg	0.049 J	0.14 J	0.25 J	0.17 J	0.064 UJ	0.62 J	0.053 UJ
Miscellaneous								
Percent Solids	%	85.4	83.6	66.3	76.8	78.3	75.7	93.9
Total Organic Carbon	mg/kg	10,300	20,400	16,700	7,260	5,960	17,300	18,500
Grain Size Analysis								
75000	% passing	100	100	100	100	100	100	100
50000	% passing	100	100	100	100	100	100	100
37500	% passing	100	100	100	100	100	100	100
25000	% passing	100	100	100	100	100	100	100
19000	% passing	100	92	100	96.1	100	86.5	96.6
9500	% passing	86.2	79.2	95.3	92.1	96.2	85.9	78.3
4750	% passing	70.2	70	93	77.3	86	80.2	42.2
2000	% passing	39.8	33.7	90.2	55.7	69	64.1	11.8
850	% passing	29.8	20.7	87.4	37.5	62.6	59.4	9.1
425	% passing	23.9	14	72.6	20.2	49.7	55.4	8.1
250	% passing	12.3	10.2	26.9	8.4	21.2	39.3	6.1
180	% passing	3.9	7	12.4	4.1	9.8	22.3	3.5
150	% passing	2	5.9	9.7	3.4	6.9	15.5	2.6
75	% passing	0.5	4.5	5.9	2.6	2.7	5	1.1
27	% passing	1	0.9	4.3	0.2	1.7	2.3	0.5
18	% passing	1	0.9	3.8	0.2	1.7	2.3	0.5
10.7	% passing	0.6	0.5	3.2	0.2	1.7	2.3	0.5
10	% passing	0.6	0.5	2.6	0.2	1.2	1.8	0.1
5.9	% passing	0.6	0.2	2	0.2	1.2	1.8	0.1
3	% passing	0.6	0.2	2	0.2	1.1	1.2	0.1
1.3	% passing	0.2	0.2	0.9	0.2	0.7	1.2	-0.1
Clay	%	0.6	0.2	2	0.2	1.2	1.8	0.1
Coarse Sand	%	30.4	36.3	2.9	21.6	16.9	16.1	30.4
Fine Sand	%	23.4	9.5	66.7	17.6	47	50.4	7
Gravel	%	29.8	30	7	22.7	14	19.8	57.8
Medium Sand	%	15.9	19.7	17.6	35.5	19.4	8.7	3.7
Silt	%	-0.1	4.3	3.9	2.4	1.5	3.2	0.9

See Notes on Page 4

Kalamazoo River Study Group
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #11, January 2008

**Table G — Results for Surface Sediment Samples — Plainwell No. 2 Dam to the
Mill Race Confluence — Samples Collected in October 2007**

Location ID: Sample Depth (inches): Date Collected: Sample Name:	Units	KP6F-7 0 - 2 10/24/07 K55445	KP6F-8 0 - 2 10/24/07 K55446	KP6F-9 0 - 2 10/24/07 K55449	KP6F-10 0 - 2 10/24/07 K55450	KP7C-1 0 - 2 10/23/07 K55441
PCB Aroclors						
Aroclor-1016	mg/kg	0.14 U	0 059 U [0.070 U]	0.058 U	0.12 U	0 059 U
Aroclor-1221	mg/kg	0.14 UJ	0.059 UJ [0.070 UJ]	0.058 UJ	0.12 UJ	0 059 UJ
Aroclor-1232	mg/kg	0.14 U	0 059 U [0.070 U]	0.058 U	0.12 U	0 059 U
Aroclor-1242	mg/kg	0.49	0 059 U [0.18]	0.058 U	0.12 U	0 059 U
Aroclor-1248	mg/kg	0.45	0.059 U [0.070 U]	0.058 U	0.12 U	0 059 U
Aroclor-1254	mg/kg	0.41	0.059 U [0.070 U]	0.058 U	0.12 U	0 059 U
Aroclor-1260	mg/kg	0 14 U	0.059 U [0.045 J]	0.058 U	0.12 U	0 059 U
Total PCBs	mg/kg	1.4 J	0.059 UJ [0.23 J]	0.058 UJ	0.12 UJ	0 059 UJ
Miscellaneous						
Percent Solids	%	34.6	84 5 [71 3]	85 7	39.8	85
Total Organic Carbon	mg/kg	81,100	14,600 J [31,200]	9,670	67,300	19,400
Grain Size Analysis						
75000	% passing	100	100 [100]	100	100	100
50000	% passing	100	100 [100]	100	100	100
37500	% passing	100	100 [100]	100	100	100
25000	% passing	100	100 [100]	100	100	100
19000	% passing	100	100 [94 3]	93	100	96 8
9500	% passing	99.8	96 7 [77 9]	90 6	98.2	84 5
4750	% passing	99 2	69 1 [53 4]	78 5	95.7	69.4
2000	% passing	98 1	39.3 [29.3]	46.1	91 9	34.7
850	% passing	97	33.2 [25.2]	28	86 1	25.9
425	% passing	96	29.3 [22.6]	11 6	76	18.5
250	% passing	92.7	23.4 [18.3]	2 8	69.5	8.8
180	% passing	84.4	14 9 [11 7]	1 8	67	5
150	% passing	76 1	10.6 [8.4]	1.6	65.5	3.7
75	% passing	45 3	4 3 [3 3]	1.6	57	2.3
27	% passing	20 5	1.9 [2.1]	0.6	32 9	0 6
18	% passing	17 2	1.9 [2.1]	0.6	28 4	0 6
10.7	% passing	13.9	1.5 [1.7]	0.2	22.8	0 6
10	% passing	11.7	1.1 [1.7]	0 2	18.4	0.6
5.9	% passing	9.5	0.7 [1.3]	0 2	15	0.6
3	% passing	6.1	0.6 [0 9]	0 2	11.6	0.6
1.3	% passing	3.9	0.6 [0 6]	-0.2	6 1	0.5
Clay	%	9 5	0 7 [1.3]	0.2	15	0 6
Coarse Sand	%	1.1	29.8 [24.1]	32.5	3.8	34.7
Fine Sand	%	50.7	25 [19.2]	10	19	16.2
Gravel	%	0.8	30.9 [46 6]	21.5	4.3	30.6
Medium Sand	%	2.1	10 [6 7]	34.5	15.9	16.2
Silt	%	35.8	3 7 [2]	1.3	42	1.7

See Notes on Page 4

Kalamazoo River Study Group
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #11, January 2008

**Table G — Results for Surface Sediment Samples — Plainwell No. 2 Dam to the
Mill Race Confluence — Samples Collected in October 2007**

Location ID: Sample Depth (inches): Date Collected: Sample Name:	Units	KP7C-2 0 - 2 10/24/07 K55451	KP7C-3 0 - 2 10/24/07 K55453	KP7C-4 0 - 2 10/24/07 K55454	KP7C-7 0 - 2 10/24/07 K55456	KP7F-1 0 - 2 10/23/07 K55440
PCB Aroclors						
Aroclor-1016	mg/kg	0.80 U [0.85 U]	0.066 U	0.067 U	0.093 U	0.84 U
Aroclor-1221	mg/kg	0.80 UJ [0.85 UJ]	0.066 UJ	0.067 UJ	0.093 UJ	0.84 UJ
Aroclor-1232	mg/kg	0.80 U [0.85 U]	0.066 U	0.067 U	0.093 U	0.84 U
Aroclor-1242	mg/kg	0.80 U [0.85 U]	0.078	0.15	0.093 U	0.84 U
Aroclor-1248	mg/kg	7.8 [9.0]	0.066 U	0.067 U	0.093 U	0.84 U
Aroclor-1254	mg/kg	3.9 [3.8]	0.066 U	0.063 J	0.093 U	10
Aroclor-1260	mg/kg	0.87 [1.1]	0.066 U	0.067 U	0.093 U	0.84 U
Total PCBs	mg/kg	13 J [14 J]	0.078 J	0.21 J	0.093 UJ	10 J
Miscellaneous						
Percent Solids	%	61.8 [59.2]	74.8	74.8	53.7	59.7
Total Organic Carbon	mg/kg	35,200 [29,200]	3,130	4,350	69,100	25,100
Grain Size Analysis						
75000	% passing	100 [100]	100	100	100	100
50000	% passing	100 [100]	100	100	100	100
37500	% passing	100 [100]	100	100	100	100
25000	% passing	100 [100]	100	100	100	100
19000	% passing	99.2 [100]	100	76.1	74.5	100
9500	% passing	98.5 [92.4]	93.6	59.3	63.2	100
4750	% passing	91.4 [87.6]	87.3	53.2	55.1	99.8
2000	% passing	80.3 [82.6]	72.8	47.2	41.1	99.2
850	% passing	73.7 [72.7]	52.1	42.1	35.9	97.6
425	% passing	59.2 [56.9]	39.1	30.5	28.7	96
250	% passing	36.4 [34]	25.5	12.2	23	85.7
180	% passing	26.4 [23.3]	14.8	6.8	21	51.8
150	% passing	23.4 [19.9]	10.3	5.1	20.1	35.8
75	% passing	16.6 [12.9]	4.6	1.5	9.4	12
27	% passing	8.4 [10.3]	1.7	1.3	8.1	7.7
18	% passing	7.5 [8.9]	1.7	1.3	6.3	6.9
10.7	% passing	5.9 [7.4]	1.7	1	6.3	6.1
10	% passing	4.3 [5.3]	1.2	0.7	4.6	4.5
5.9	% passing	3.6 [4.6]	0.7	0.7	3.7	3.6
3	% passing	2.8 [4.6]	0.7	0.7	3	2.8
1.3	% passing	2 [1.7]	0.7	0.4	1.2	2
Clay	%	3.6 [4.6]	0.7	0.7	3.7	3.6
Coarse Sand	%	11.1 [5]	14.5	6	14	0.7
Fine Sand	%	42.6 [44]	34.5	29	19.2	84
Gravel	%	8.6 [12.4]	12.7	46.8	44.9	0.2
Medium Sand	%	21.1 [25.7]	33.7	16.7	12.5	3.1
Silt	%	13.1 [8.3]	3.8	0.8	5.7	8.4

See Notes on Page 4

Kalamazoo River Study Group
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Monthly Report #11, January 2008

**Table G — Results for Surface Sediment Samples — Plainwell No. 2 Dam to the
Mill Race Confluence — Samples Collected in October 2007**

Location ID: Sample Depth (inches): Date Collected: Sample Name:	Units	KP7F-2 0 - 2 10/23/07 K55442	KP7F-3 0 - 2 10/24/07 K55455	KP7F-4 0 - 2 10/24/07 K55457	KP8C-1 0 - 2 10/22/07 K55434	KP8F-1 0 - 2 10/22/07 K55458	KP8F-2 0 - 2 10/22/07 K55435
PCB Aroclors							
Aroclor-1016	mg/kg	0.060 U	0.076 U	0.069 U	0.074 U	0.11 U	0.065 U
Aroclor-1221	mg/kg	0.060 UJ	0.076 UJ	0.069 UJ	0.074 UJ	0.11 UJ	0.065 UJ
Aroclor-1232	mg/kg	0.060 U	0.076 U	0.069 U	0.051 J	0.11 U	0.065 U
Aroclor-1242	mg/kg	0.94	0.076 U	0.069 U	0.074 U	1.2	0.061 J
Aroclor-1248	mg/kg	0.060 U	0.059 J	0.069 U	0.074 U	0.11 U	0.065 U
Aroclor-1254	mg/kg	0.11	0.076 U	0.069 U	0.074 U	0.31	0.065 U
Aroclor-1260	mg/kg	0.060 U	0.076 U	0.069 U	0.074 U	0.065 J	0.065 U
Total PCBs	mg/kg	1 1 J	0 059 J	0.069 UJ	0.051 J	1.6 J	0.061 J
Miscellaneous							
Percent Solids	%	83	65.9	73.1	66.6	47	76.5
Total Organic Carbon	mg/kg	9,380	18,900	14,600	13,800	25,400	8,580
Grain Size Analysis							
75000	% passing	100	100	100	100	100	100
50000	% passing	100	100	100	100	100	100
37500	% passing	100	100	100	100	100	100
25000	% passing	100	100	100	100	100	100
19000	% passing	84.5	91.1	100	83.8	99.9	100
9500	% passing	48.3	85	100	57	99.8	89.4
4750	% passing	33.4	77.5	96.1	48.4	99.4	82.9
2000	% passing	19.9	64.6	89.8	41.1	97.6	72.6
850	% passing	14.4	54.6	82	36.9	96.6	65.1
425	% passing	9.2	39.7	64.2	32.1	93.3	54.7
250	% passing	4.9	27.7	37.5	20.8	72.1	27.3
180	% passing	3	21	22.9	11.3	44.2	9.7
150	% passing	2.3	16.9	18.6	8.6	34.6	7.1
75	% passing	0.9	9.8	12.3	3.9	10.1	4.9
27	% passing	1	6.8	10.6	2.9	4.6	1.1
18	% passing	1	6	8.9	2.9	3.8	0.7
10.7	% passing	1	5.3	7.3	2.4	3.8	0.7
10	% passing	1	4.1	5.7	1.8	2.4	0.7
5.9	% passing	0.6	3.3	4.6	0.7	2.4	0.2
3	% passing	0.5	3.3	4.6	0.7	2.5	0.2
1.3	% passing	0.5	1.3	1.9	0.3	1	0.2
Clay	%	0.6	3.3	4.6	0.7	2.4	0.2
Coarse Sand	%	13.5	12.8	6.3	7.4	1.7	10.3
Fine Sand	%	8.3	29.9	51.9	28.3	83.2	49.8
Gravel	%	66.6	22.5	3.9	51.6	0.6	17.1
Medium Sand	%	10.7	24.9	25.6	9	4.3	17.9
Silt	%	0.3	6.5	7.8	3.1	7.7	4.7

Note:

Duplicate results presented in brackets

Notes Regarding Data Qualifiers:

- J - The compound was positively identified, however, the associated numerical value is an estimated concentration only.
- U - The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
- UJ - The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.